

Claims

1. A climate chamber, in particular for chemical and/or biological samples, comprising

a housing (24) defining a climate compartment (26),

an analysis device (28) arranged at least partially in the climate compartment for analyzing the sample, and

an inlet opening (38) provided in the housing (24) for supplying a conditioning medium flow (42),

wherein the medium flow (42) flows at least partially against the analysis device (28) and/or a sample carrier (36) arranged in the climate compartment (26).
2. The climate chamber according to claim 1, characterized by a directing device for directing the medium flow (42).
3. The climate chamber according to claim 1 or 2, characterized in that the medium flow (42) is directed such that the medium flow (42) flows against a lower side (44) of the sample carrier.
4. The climate chamber according to one of claims 1-3, characterized in that the inlet opening (38) is arranged laterally offset below the sample carrier (36) when the sample carrier (36) is horizontally arranged.
5. The climate chamber according to one of claims 1-4, characterized by an approach flow angle (α) of 30°-60° relative to the sample carrier (36).

6. The climate chamber according to one of claims 1-5, characterized in that the medium flow (42) is directed such that at least 50 %-70 % of the medium flow (42) flows against the analysis device (28) and/or the sample carrier (36).
7. The climate chamber according to one of claims 1-6, characterized in that condensate-sensitive components (30,32,34) of the analysis device (28) are located in the medium flow (42).
8. The climate chamber according to one of claims 1-7, characterized by a temperature sensor (46) arranged near the sample carrier (36), in particular near the lower side (44) of the sample carrier (36).
9. The climate chamber according to one of claims 1-8, characterized by an outlet opening (48) provided in the housing (24), said outlet opening (48) preferably being arranged substantially opposite the inlet opening (38).
10. The climate chamber according to one of claims 1-9, characterized in that the housing is configured such that it promotes an optimum flow.
11. The climate chamber according to one of claims 1-10, characterized in that adjacent housing walls (12,14,16,18,20,22) are arranged at an angle of at least 90°, preferably at least 120°, relative to each other.
12. A climate control means comprising a climate chamber according to one of claims 1-11, wherein the inlet opening (38) has connected therewith a climate control device; a channel (110) through which flows a gaseous medium which is to be conditioned; a steam chamber (120) having an inlet opening (134) and an outlet opening (138) connected with said channel; a steam generation means (126) connected with said steam chamber (120); and a control means (140) arranged at the inlet open-

ing (134) and/or the outlet opening (138) for controlling the quantity of steam fed from the steam chamber (120) to the channel (110).

13. The climate control means according to claim 12, characterized in that the control means (140) is adapted to control the opening cross section of the inlet opening (134) and/or the outlet opening (138).
14. The climate control means according to claim 12 or 13, characterized in that the inlet opening (134) is connected with the channel (110) such that a portion of the medium to be conditioned flows into the steam chamber (120).
15. The climate control means according to one of claims 12-14, characterized in that the steam generation means (126) comprises a heating means for heating the medium to be evaporated.
16. The climate control means according to one of claims 12-15, characterized by a flow-producing means (114) for producing the medium flow in the channel (110).
17. The climate control means according to one of claims 12-16, characterized by a filter means (116) connected with the channel (110).
18. The climate control means according to one of claims 12-17, characterized by conditioning means (118) connected with the channel (110).